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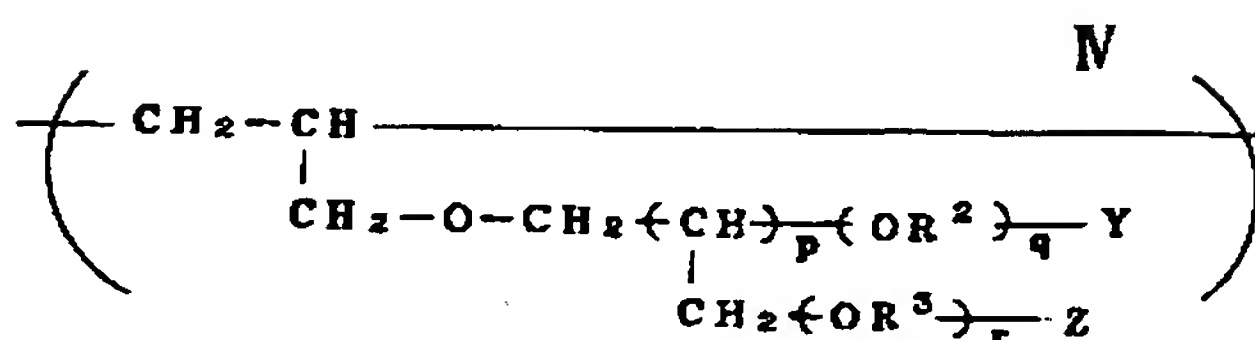
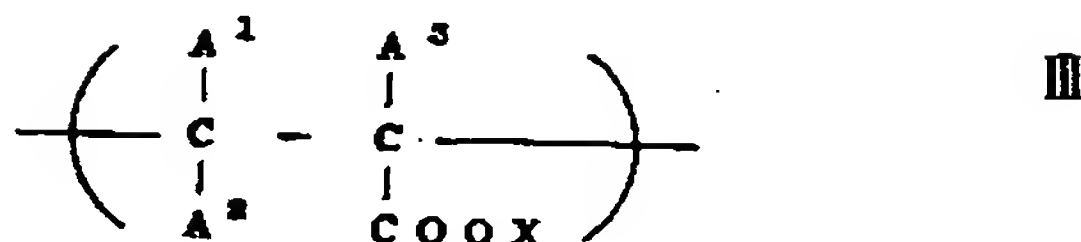
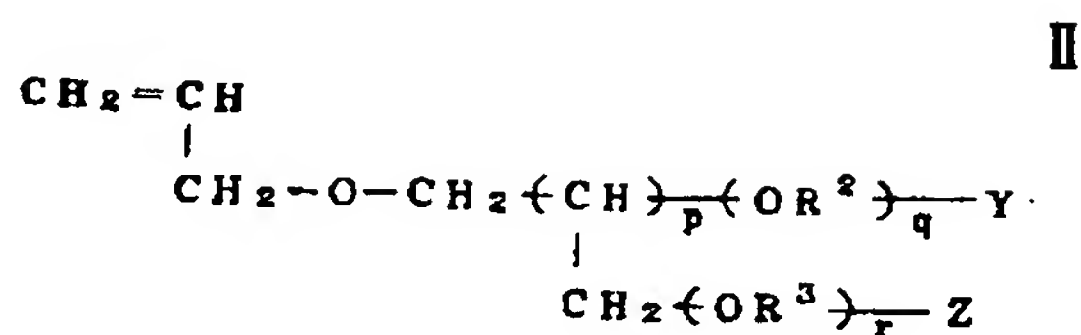
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TITLE : NOVEL WATER-SOLUBLE
COPOLYMER AND ITS PREPARATION



ABSTRACT : PURPOSE: To obtain the titled novel water-soluble polymer useful as a dispersant for aqueous slurry of inorganic pigment, etc., having improved performance as a dispersant, etc., by copolymerizing a specific dibasic acid monomer with an allyl ether-type monomer, etc.

CONSTITUTION: (A) A dibasic acid monomer shown by the formula I (A¹ is H or methyl; A² is H, methyl, or -COOX; A³ is H, methyl or -CH₂COOX; X is H, monovalent metal, ammonium, organic amine, etc.) is copolymerized with (B) an allyl ether-type monomer shown by the formula II [p is integer of 1-4; q and r are integer of 0-100; R² and R³ are 2-4C alkylene; Y and Z are hydroxyl group, 1-4C alkoxy, monovalent phosphoric acid group (salt of monovalent metal, divalent metal, ammonium, etc., 1-4C alkyl ester, etc.), sulfonic group, etc.], to give the desired copolymer having structural units shown by the formula III and the formula IV.

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